



1642

PTO/SB/21 (04-07)

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/856,812-Conf. #3475
	Filing Date	September 7, 2001
	First Named Inventor	Lang-Qing Huang
	Art Unit	1642
	Examiner Name	M. T. B. Davis
Total Number of Pages in This Submission	Attorney Docket Number	L0461.70115US00

## ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449; International Search Report for PCT/IB99/02018; References Cited; Check in the amount of \$180.00; Return Receipt Postcard
<div>Remarks</div>		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

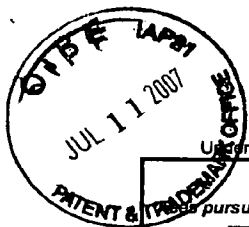
Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	John R. Van Amsterdam		
Date	July 9, 2007	Reg. No.	40,212

## Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: July 9, 2007

Signature: (Sylvana Householder)



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<b>FEE TRANSMITTAL</b> <b>For FY 2007</b>  <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		<b>Complete if Known</b>		
		Application Number	09/856,812-Conf. #3475	
		Filing Date	September 7, 2001	
		First Named Inventor	Lang-Qing Huang	
		Examiner Name	M. T. B. Davis	
TOTAL AMOUNT OF PAYMENT (\$)		180.00	Attorney Docket No.	L0461.70115US00

**METHOD OF PAYMENT** (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☐ Deposit Account Deposit Account Number: 23/2825 Deposit Account Name: Wolf, Greenfield & Sacks, P.C.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**      **Multiple Dependent Claims**

\_\_\_\_\_ - 20 = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_      **Fee (\$)**      **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

\_\_\_\_\_ - 3 = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number) x _____ = _____		

**4. OTHER FEE(S)**

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement	180.00

<b>SUBMITTED BY</b>			
Signature	<u>John R. Van Amsterdam</u>	Registration No. (Attorney/Agent)	40,212
Name (Print/Type)	John R. Van Amsterdam	Telephone	(617) 646-8000
		Date	July 7, 2007

**Certificate of Mailing Under 37 CFR 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: July 9, 2007 Signature: Sylvana Householder (Sylvana Householder)



DOCKET NO.: L0461.70115US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

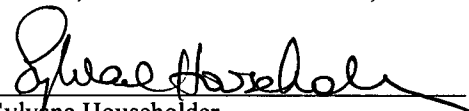
Applicant: Lan-Qing Huang et al.  
Serial No.: 09/856,812  
Confirmation No.: 3475  
Filed: September 7, 2001  
For: TUMOUR REJECTION ANTIGENS

Examiner: Davis, Minh Tam B.  
Art Unit: 1642

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 9th day of July, 2007.

  
Sylvana Householder

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**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office action, but before the mailing date of any final action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application.

The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

07/11/2007 EAYALEW1 00000028 09856812

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180.00 OF

1211338.1

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified PTO/SB/08). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant would like to bring to the Examiner's attention the enclosed search report from a corresponding International or Foreign National Application.

**International Search Report for International Application No. PCT/IB99/02018, mailed June 27, 2000.**

The following are remarks concerning the other information cited:

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 (modified PTO/SB/08) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Serial No.: 09/856,812  
Conf. No.: 3475

- 3 -

Art Unit: 1642

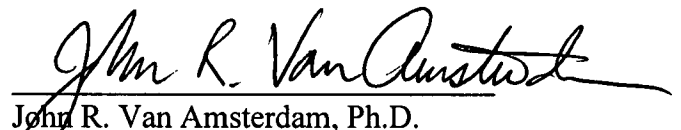
By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his or her own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By:

  
John R. Van Amsterdam, Ph.D.  
Reg. No. 40,212  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: L0461.70115US00

Date: July 9, 2007

xNDDx



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/856,812	ATTY. DOCKET NO.: L0461.70115US00
		FILING DATE: September 7, 2001	CONFIRMATION NO.: 3475
		APPLICANT: Lan-Qing Huang et al.	
		GROUP ART UNIT: 1642	EXAMINER: Davis, Minh Tam B.
Sheet		of	

#### U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
/T.D./	A1	5,686,068	A	Boon-Falleur et al.	22-11-1997

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
/T.D./	B1	WO	98/14463	A	Ludwig Institute for Cancer Research	04-09-1998	
↓	B2	WO	95/25530	A	Ludwig Institute for Cancer Research; Univ Leiden	09-28-1995	
	B3	WO	99/54738	A	Ludwig Institute for Cancer Research	10-28-1999	
	B4	WO	99/61916	A	Epimmune, Inc.	12-02-1999	
	B5	WO	92/20356	A	Ludwig Institute for Cancer Research	11-26-1992	
↓	B6	WO	99/45954	A	Eppimmune, Inc.	09-16-1999	

#### OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
/T.D./	C1	CHEN, YAO-TSENG et al., "Identification of multiple cancer/testis antigens by allogeneic antibody screening of a melanoma cell line library," <i>Proc. Natl. Acad. Sci. USA</i> June 1998; 95:6919-6923.	
↓	C2	COULIE, P.G., "Antigens Recognized on Human Tumors by Cytolytic T Lymphocytes: Towards Vaccination?" <i>Stem Cells</i> 1995; 13(4):393-403.	
	C3	DABOVIC, B. et al., "A family of rapidly evolving genes from the sex reversal critical region in Xp21," <i>Mammalian Genome</i> 1995; 6:571-580.	
↓	C4	DE PLAEN, ETIENNE et al., "Structure, chromosomal localization, and expression of 12 genes of the MAGE family," <i>Immunogenetics</i> 1994; 40:360-369.	

EXAMINER:  /Minh Tam Davis/ (11/13/2007)	DATE CONSIDERED:
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# EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_, filed \_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

<b>FORM PTO-1449/A and B (modified PTO/SB/08)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			APPLICATION NO.: 09/856,812	ATTY. DOCKET NO.: L0461.70115US00
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			GROUP ART UNIT: 1642	EXAMINER: Davis, Minh Tam B.
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/T.D./	C5	GAUGLER, BEATRICE et al., "Human Gene MAGE-3 Codes for an Antigen Recognized on a Melanoma by Autologous Cytolytic T Lymphocytes," <i>J. Exp. Med.</i> 1994; 179:921-930.	
	C6	GILBERT, SARAH C. et al., "A protein particle vaccine containing multiple malaria epitopes," <i>Nature Biotechnology</i> November 1997; 15:1280-1284.	
	C7	HAAS, GILBERT G. et al., "Distribution of Human Leukocyte Antigen-ABC and -D/DR Antigens in the Unfixed Human Testis," <i>American Journal of Reproductive Immunology and Microbiology</i> 1988; 18:47-51.	
	C8	HU, XUEYOU et al., "Enhancements of Cytolytic T Lymphocyte Precursor Frequency in Melanoma Patients following Immunization with the MAGE-1 Peptide Loaded Antigen Presenting Cell-based Vaccine," <i>Cancer Research</i> June 1, 1996; 56:2479-2483.	
	C9	HUANG, LAN-QING et al., "Cytolytic T Lymphocytes Recognize an Antigen Encoded by MAGE-A10 on a Human Melanoma," <i>The Journal of Immunology</i> 1999; 162:6849-6854.	
	C10	LUCAS, SOPHIE et al., "Identification of a New Mage Gene with Tumor-specific Expression by Representational Difference Analysis," <i>Cancer Research</i> February 15, 1998; 58:743-752.	
	C11	LURQUIN, CHRISTOPHE et al., "Two Members of the Human MAGEB Gene Family Located in Xp21.3 Are Expressed in Tumors of Various Histological Origins," <i>Genomics</i> 1997; 46:397-408.	
	C12	MARCHAND et al., "Tumor regression responses in melanoma patients treated with a peptide encoded by gene MAGE-3," <i>Int. J. Cancer</i> 1995; 63:883-885.	
	C13	MUKHERJI, BIJAY et al., "Induction of antigen-specific cytolytic T cells in situ in human melanoma by immunization with synthetic peptide-pulsed autologous antigen presenting cells," <i>Proc. Natl. Acad. Sci. USA</i> August 1995; 92:8078-8082.	
	C14	MUSCATELLI, F. et al., "Isolation and characterization of a MAGE gene family in the Xp21.3 region," <i>Proc. Natl. Acad. Sci. USA</i> May 1995; 92:4987-4991.	
	C15	NESTLE, FRANK O. et al., "Vaccination of melanoma patients with peptide- or tumor lysate-pulsed dendritic cells," <i>Nature Medicine</i> March 1998; 4(3):328-332.	
	C16	RAMMENSEE, HANS-GEORG et al., "MHC ligands and peptide motifs: first listing," <i>Immunogenetics</i> 1995; 41:178-228.	
	C17	RIMOLDI, DONATA et al., "cDNA and Protein Characterization of Human MAGE-10," <i>Int. J. Cancer</i> 1999; 82:901-907.	

EXAMINER:  /Minh Tam Davis/ (11/13/2007)	DATE CONSIDERED:
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[NOTE – No copies of U.S. patents, published U.S. patent applications, or pending, unpublished patent applications stored in the USPTO's Image File Wrapper (IFW) system, are included. See 37 CFR §1.98 and 1287OG163. Copies of all other patent(s), publication(s), unpublished, pending U.S. patent applications, or other information listed are provided as required by 37 CFR §1.98 unless 1) such copies were provided in an IDS in an earlier application that complies with 37 CFR §1.98, and 2) the earlier application is relied upon for an earlier filing date under 35 U.S.C. §120.]

FORM PTO-1449/A and B (modified PTO/SB/08)  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		APPLICATION NO.: 09/856,812	ATTY. DOCKET NO.: L0461.70115US00
		FILING DATE: September 7, 2001	CONFIRMATION NO.: 3475
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/T.D./	C18	TAM, JAMES P. et al., "Incorporation of T and B Epitopes of the Circumsporozoite Protein in a Chemically Defined Synthetic Vaccine Against Malaria," <i>J. Exp. Med.</i> January 1990; 171:299-306.	
	C19	THOMSON, SCOTT A. et al., "Minimal epitopes expressed in a recombinant polypeptide protein are processed and presented to CD8+ cytotoxic T cells: Implications for vaccine design," <i>Proc. Natl. Acad. Sci. USA</i> June 1995; 92:5845-5849.	
	C20	TRAVERSARI, CATIA et al., "A Nonapeptide Encoded by Human Gene MAGE-1 Is Recognized on HLA-A1 by Cytolytic T Lymphocytes Directed against Tumor Antigen MZ2-E," <i>J. Exp. Med.</i> November 1992; 176:1453-1457.	
	C21	UYTTENHOVE, CATHERINE et al., "The Expression of Mouse Gene P1A in Testis Does Not Prevent Safe Induction of Cytolytic T Cells Against a P1A-Encoded Tumor Antigen," <i>Int. J. Cancer</i> 1997; 70:349-356.	
	C22	VAN DEN EYNDE, B. et al., "Presence on a Human Melanoma of Multiple Antigens Recognized by Autologous CTL," <i>Int. J. Cancer</i> 1989; 44:634-640.	
	C23	VAN DER BRUGGEN, PIERRE et al., "Autologous cytolytic T lymphocytes recognize a MAGE-1 nonapeptide on melanomas expressing HLA-Cw*1601*," <i>Eur. J. Immunol.</i> 1994; 24:2134-2140.	
	C24	VAN DER BRUGGEN, P. et al., "A Gene Encoding an Antigen Recognized by Cytolytic T Lymphocytes on a Human Melanoma," <i>Science</i> 13 December 1991; 254:1643-1647.	
↓	C25	VAN DEN EYNDE, BENOIT J. et al., "T cell defined tumor antigens," <i>Current Opinion in Immunology</i> 1997; 9:684-693.	

EXAMINER:  /Minh Tam Davis/ (11/13/2007)	DATE CONSIDERED:
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